

FIG. 1

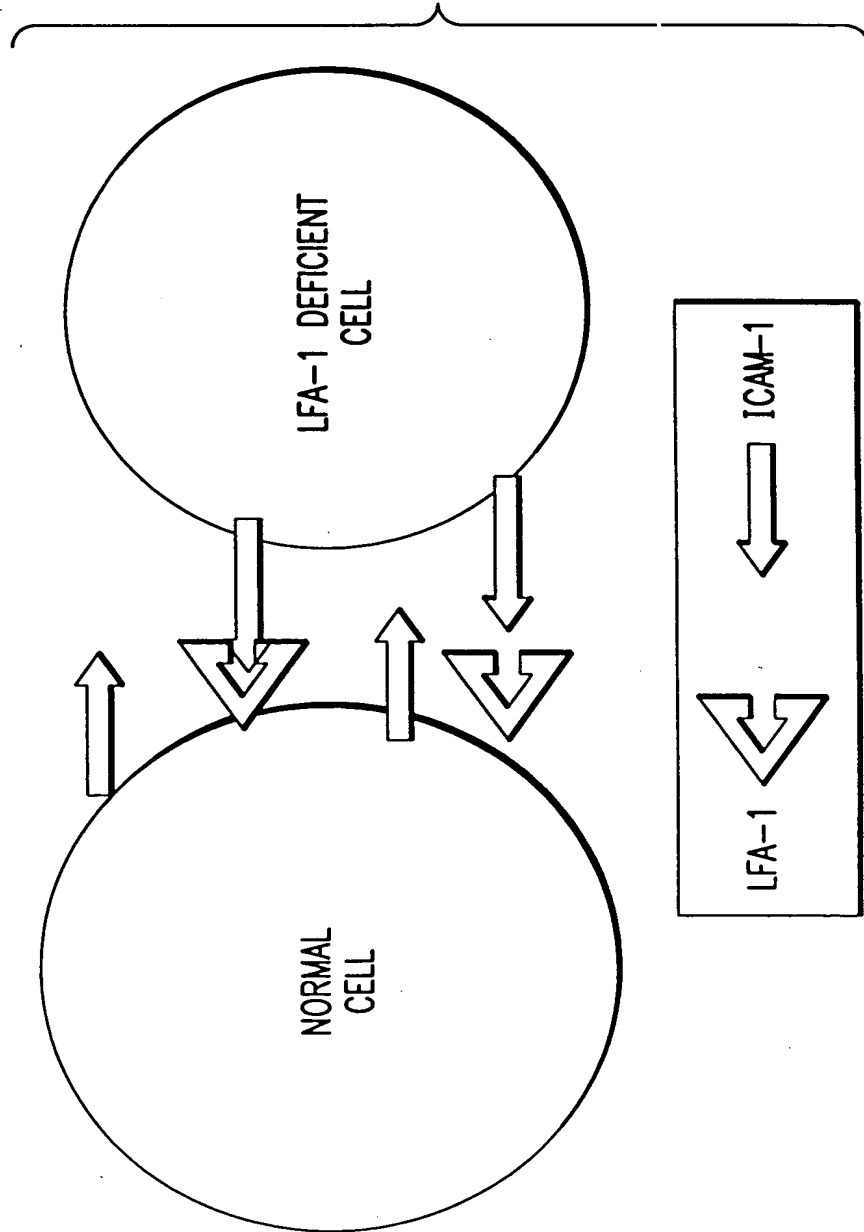
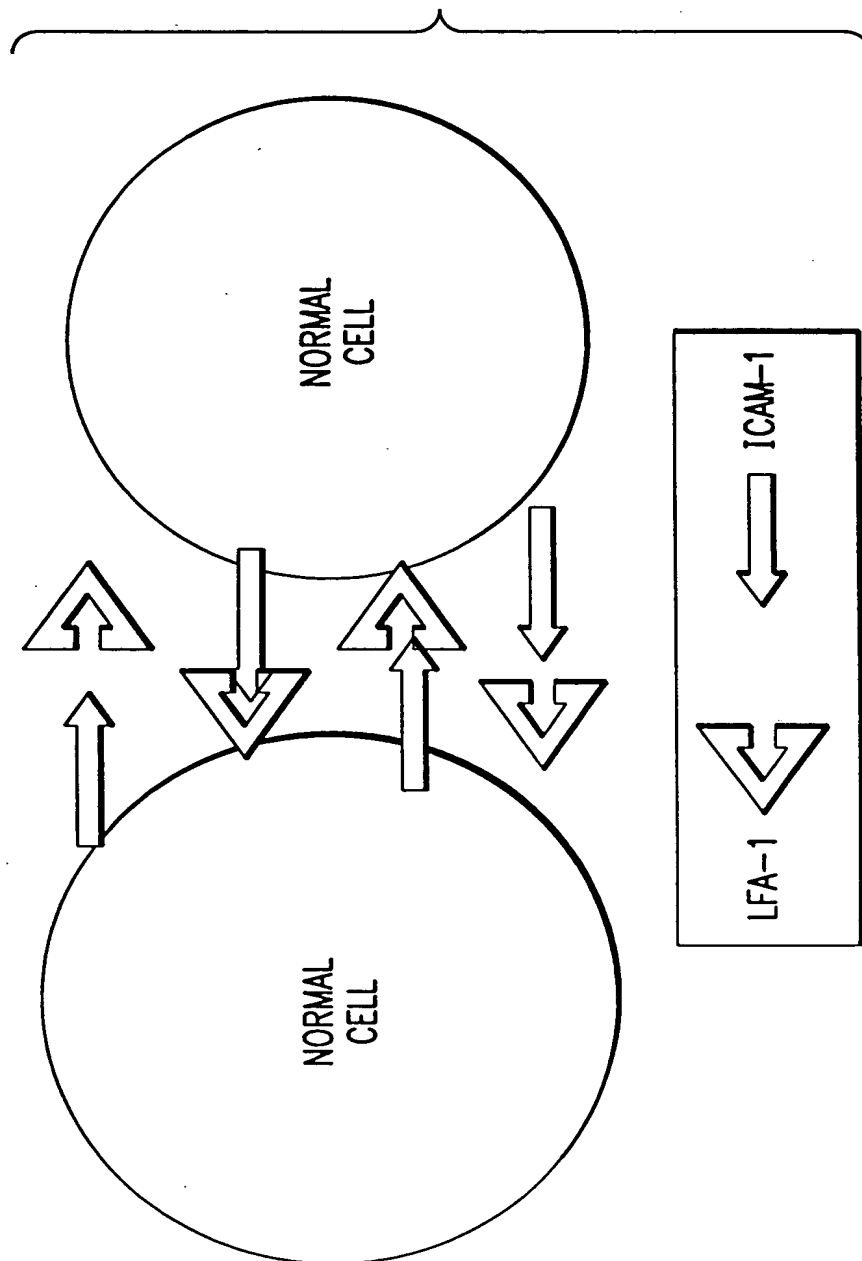


FIG. 2



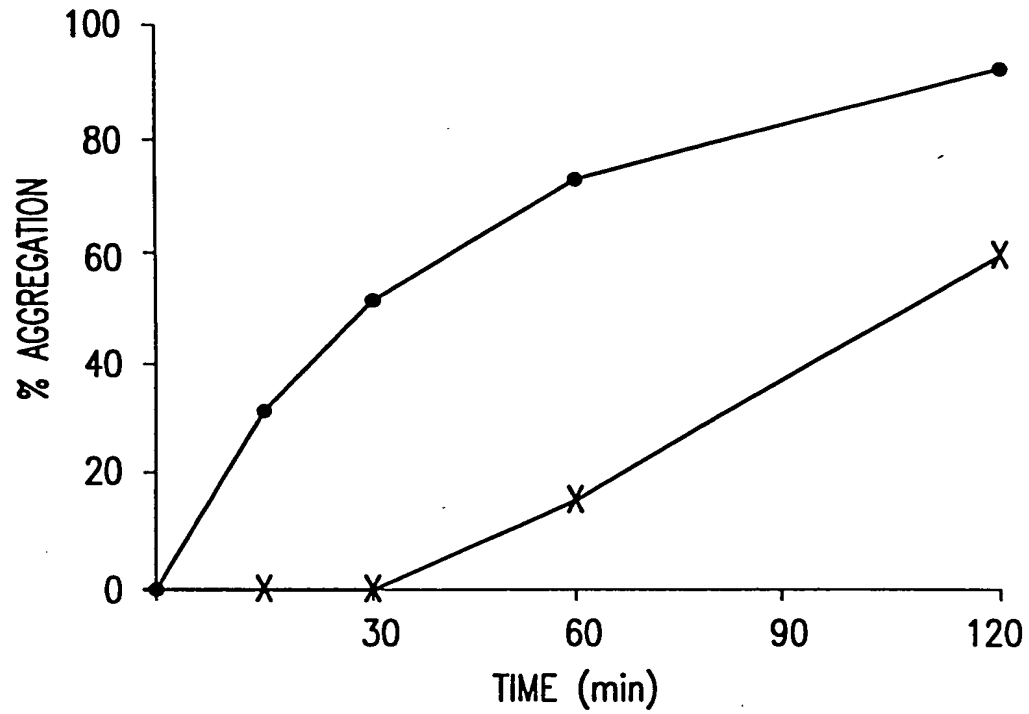


FIG.3

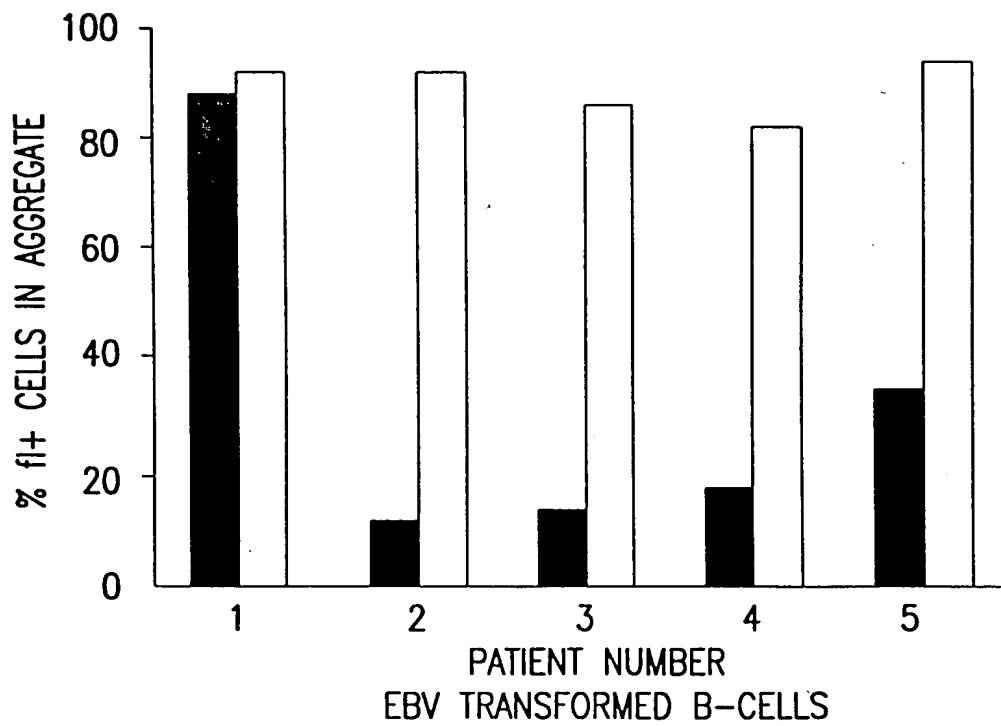


FIG.4

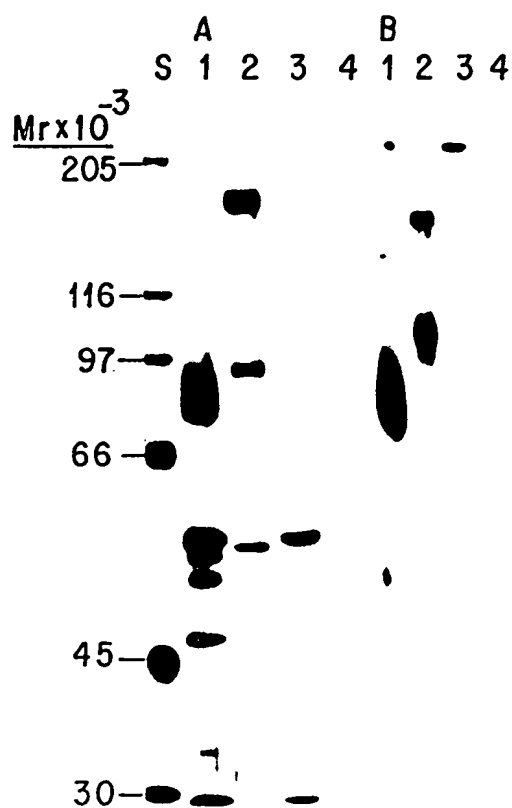


FIG. 5

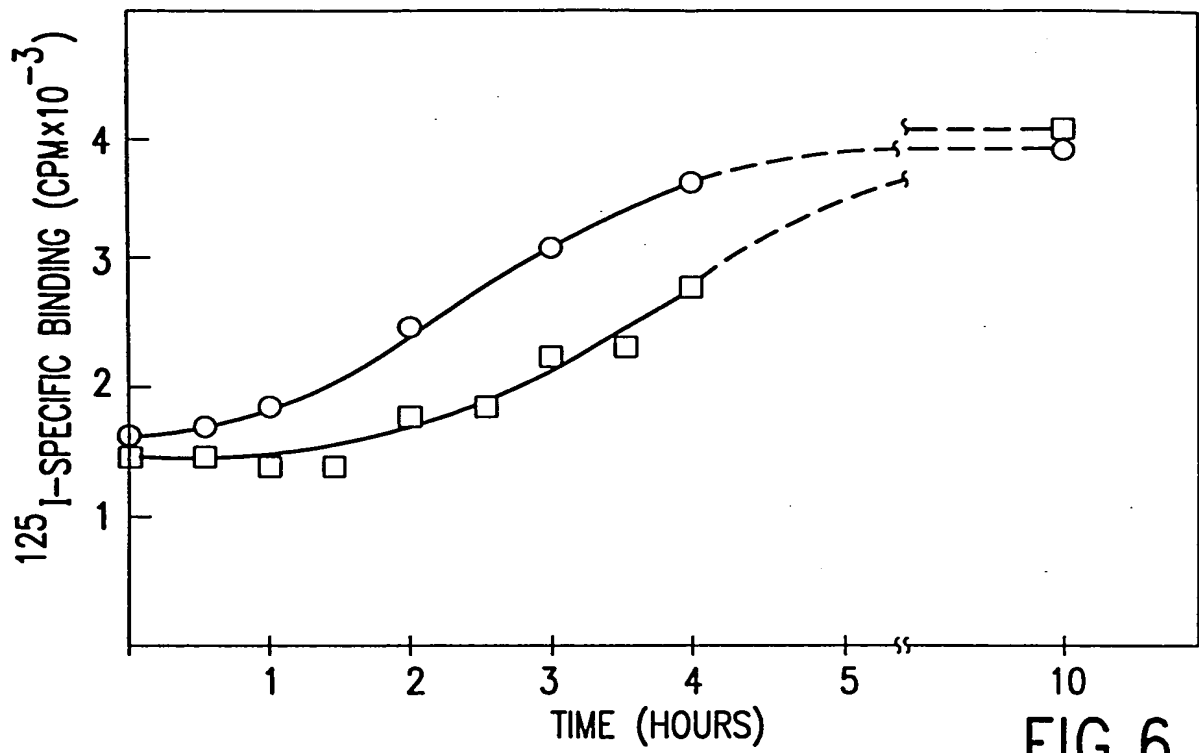


FIG.6

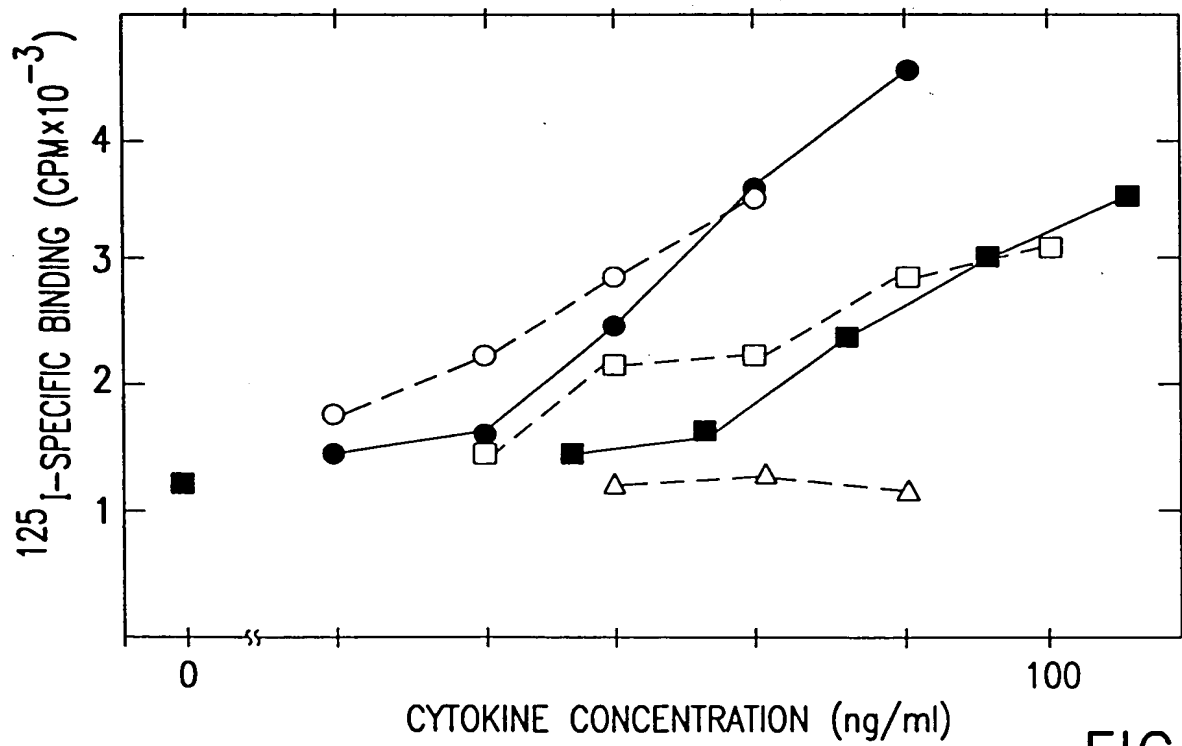


FIG.7

5' GGCCCCCAGTGGAGCGTGAGCTCCTCTGCTACTCAGAGTTGCAACCTCAGCCTGGCT 57  
 ATG GCT CCC AGC AGC CCC GCG CTC CTC CTC CTC CTC GCG GCT CTG TTC CCA GGA CCT GGC AAT GCC CAG ACA TCT 147  
 M A P S S P R P A L P A L L V L L G A L F P G P G N A Q T S 3  
 GTG TCC CCC TCA AAA GTC ATC CTC CCC GCG GGA GGC TCC GTG CTG ACA TGC AGC ACC TCC TGT GAC CAG CCC AAG TTG TTG GGC ATA 237  
 V S P S K V I L P R G G S V L V T C S T S C D Q P K L L G I 33  
 GAG ACC CCG TTG CCT AAA AAG GAG TTG CTC CTC CCT GCG AAC CCG AAG GTG TAT GAA CTG AGC AAT GTG CAA GAA GAT AGC CAA CCA 327  
 E T P L P K K E L L L P G N N R K V Y E L S N V Q E D S Q P 63  
 ATG TGC TAT TCA AAC TGC CCT GAT GCG CAG TCA ACA GCT AAA ACC TTC CTC ACC GTG TAC TGG ACT CCA GAA CCG GTG GAA CTG CCA CCC 417  
 M C Y S N C P D G Q S T A K T F L T V Y W T P E R V E L A P 93  
 CTC CCC TCT TGG CAG CCA GTG GCG AAG AAC CTT ACC CTA CCG TGC CAG GTG GGT GCG GCA CCC CCG GCC AAC CTC ACC GTG GTG CTG 507  
 L P S W Q P V G K N L T L R C Q V E G G A P R A N L T V V L 123  
 CTC CGT GCG GAG AAG GAG CTG AAA CCG GAG CCA GCT GTG GCG GAG CCC GCT GAG GTG CAG ACC AGC GTG CTG AGG AGA GAT CAC CAT 597  
 L R G E K E L K R E P A V G E P A E V T T V L V R R D H H 153  
 GGA GCC AAT TTC TCG TGC CCG ACT GAA CTG GAC CTG CCG CCC CAA GCG CTG GAG CTG TTT GAG AAC ACC TCG GCC CCC TAC CAG CTC CAG 687  
 G A N F S C R T E L D L R P Q G L E L F E N T S A P Y Q L Q 183  
 ACC TTT GTG CTG CCA GCG ACT CCC CCA CAA CTT GTG AGC CCC CCG GTG CTA GAG GTG GAC ACG GGG ACC GTG GTG TGT TCC CTG GAC 777  
 T F V L P A T P P Q L V S P R V L E V D T Q G T V V C S L D 213

FIG.8A

CGG CTG TTC CCA GTC TCG GAG GCC CAG GTC CAC CTG CCA CTG GGG GAC CAG AGG TTG AAC CCC ACA GTC ACC TAT GGC AAC GAC TCC TTC 867  
 G L F P V S E A Q V H L A L G D Q R L N P T V T Y G N D S F 243

TCG GCC AAG GCC TCA GTC AGT GTG ACC CCA GAG GAC GAG GCC ACC CAG CGG CTG ACG TGT GCA GTA ATA CTG GGG AAC CAG AGC CAG GAG 957  
 S A K A S V S V T A E D E G T Q R L T C A V I L G N Q S Q E 273

ACA CTG CAG ACA GTG ACC ATC TAC AGC TTT CCG GCG CCC AAC GTG ATT CTG ACG AAC CCA GAG GTC TCA GAA GGG ACC GAG GTG ACA GTG 1047  
 T L Q T V T I Y S F P A P N V I L T K P E V S E G T E V T V 303

AAG TGT GAG GCC CAC CCT AGA GCC AAG GTG ACG CTG AAT GGG GTT CCA GCC CAG CCA CTG GGC CCG AGG GCC CAG CTC CTG CTG AAC GCC 1137  
 K C E A H P R A K V T L N G V P A Q P L G P R A Q L L L K A 333

ACC CCA GAG GAC AAC GGG GCG AGC TTC TCC TCG TCT CCA ACC CTG GAG GTG GCC GGC CAG CTT ATA CAC AAG AAC CAG ACC CGG GAG CTT 1227  
 T P E D N G R S F S C S A T L E V A G Q L I H K N Q T R E L 363

CGT GTC CTG TAT GGC CCC CCA CTG GAC GAG AGG GAT TGT CCG GCA AAC TGG ACG TGG CCA GAA AAT TCC CAG CAG ACT CCA ATG TCC CAG 1317  
 R V L Y G P R L D E R D C P G N W T W P E N S Q Q T P M C Q 393

CCT TGG GGG AAC CCA TTG CCC GAG CTC AAG TGT CTA AAG GAT GCC ACT TTC CCA CTG CCC ATC GGG GAA TCA GTG ACT GTC ACT CGA GAT 1407  
 A W G N P L P E L K C L K D G T F P L P I G E S V T V T R D 423

CTT GAG GCG ACC TAC CTC TGT CCG GCC AGG ACC ACT CAA GGG GAG GTC ACC CGC GAG GTG ACC GTG AAT GTG CTC TCC CCC CGG TAT GAG 1497  
 L E G T Y L C R A R S T Q G E V T R E V T V N V L S P R Y E 453

FIG.8B

ATT GTC ATC ATC ACT GTG GTA GCA GCC GCA GTC ATA ATG GGC ACT GCA GGC CTC AGC AGG TAC CTC TAT AAC CGC CAG CGG AAG ATC AAG 1587  
I V I I T V V A A A V I M G T A G L S T Y L Y N R Q R K I K 483

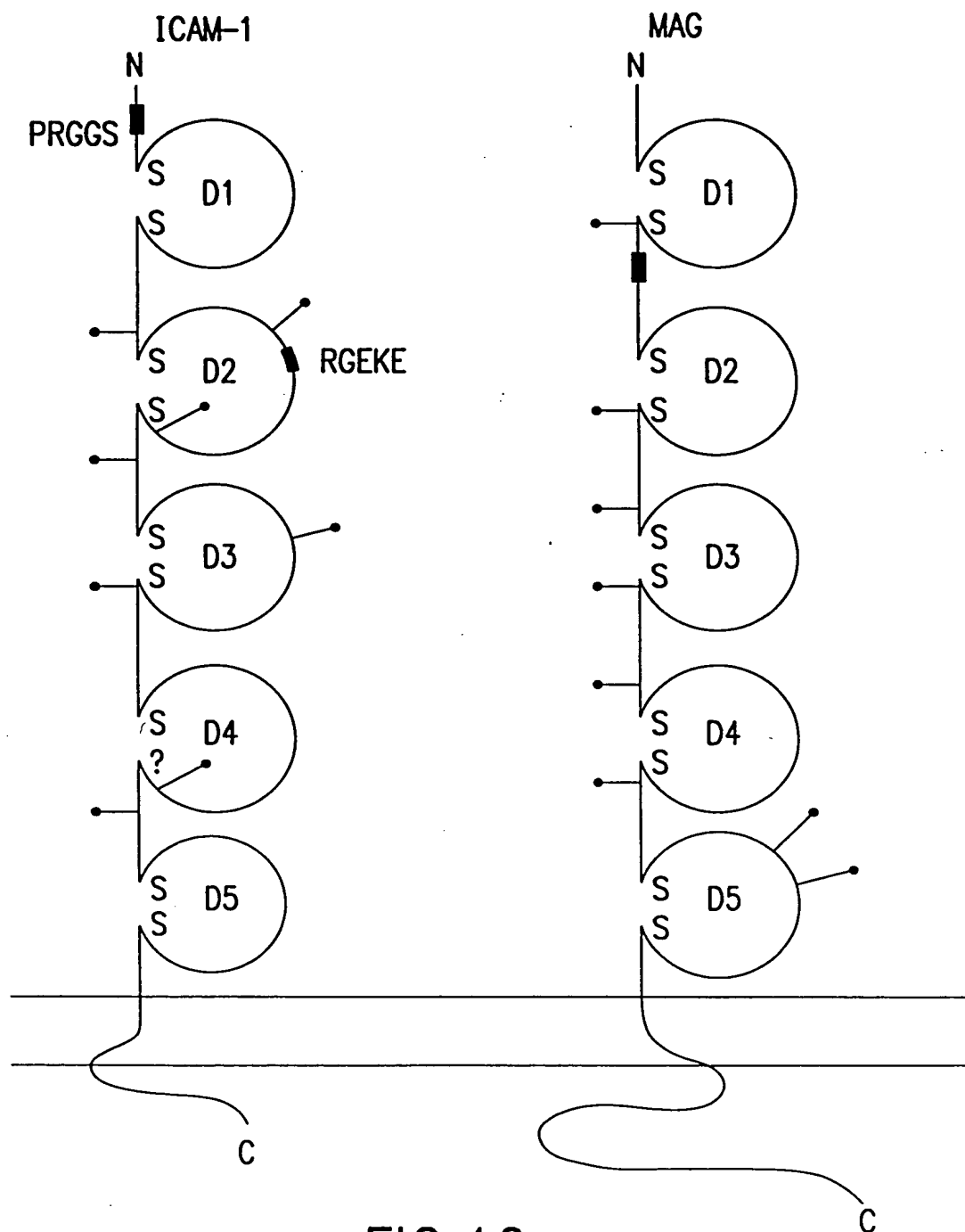
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AAA TAC AGA CTA CAA CAG GCC CAA AAA GGG ACC CCC ATG AAA CCG AAC ACA CAA GCC AGG CCT CCC TGA ACCTATCCGGGACAGGGCCTCTTCCT 1683  
K Y R L Q Q A Q K G T P M K P N T Q A T P P \* 505

CGGCCTCCCATATTGTTGGCAGTGGTCCACACTGAACAGAGTGGAAAGACATATGCCATGCAGCTACACCTACCGGCCCCTGGGACGGAGACAGGGCAATTGTCCTCAGTCAGATA 1802  
CAACAGCATTTGGGGCCATGGTACCTGCACACCTAAAACACTAGGCCACGCATCTGATCTGTAGTCACATGACTAAGCCAAAGGAAGAGCAAGACTCAAGACATGATTGATGGATGT 1921  
TAAAGTCTAGCCTGATGAGAGGGAAGTGGTGGGGAGACATAGCCCCACCATTAGGACATACAACCTGGGAAATACTGAAACTTCTGCCCTATTGGGTATGCTAGGCCCCACAGACTTA 2040  
CAGAAAGTGGCCCTCCATAGACATGTGTAGCATCAAAACACAAGGCCCCACACTTCTGACGATGCCAGCTTGGGCACCTGCTGCTACTGACCCCAACCCCTTGATGATATGTAATT 2159  
ATTCAATTGTTAATTTACCAGCTAATTTATGAGTGTCTTTATGAGGCTAAATGAACATAGGTCTCTGGCTCAGCGAGCTCCAGTCCATGTCACATTCGAAGTCAACAGGTACAGT 2278  
GTACAGGTGTACACTGCCAGAGAGTGGTGGCAAAAAGATCAAAATGGGGCTGGGACTTCTCATTGGCCAACCTGCCCTTCCCCAAGGAGTGATTTTCTATCGGCACAAAAGCAC 2397  
TATATGGACTGGTAATGGTTACAGAGTTACAGAGATTACCCAGTAGGCCCTATTCTCCCTTCCCCCAAAACTGACACCTTTGTTAGCCACCTCCCCACCCACATACATTTCTGCCAG 2516  
TGTTCAAAATGACACTAGCCGTCACTGCTGGACATGAGTCCCCAGGAAATATGCCCAAGCTATGCCCTTGCTCTCTGTCCTGTTTGCATTTCAGTGGGAGCTTGCAGTATTCGAGCTC 2635  
CAGTTTCCTCGAGTGATCAGGGTCTCGAAGCAGTGGGAAGGGGGCCCAAGGTATTGAGGAGCTCCCTCCAGCTTTGGAAGGGTCATCCGGTGCTGTGTTGTTGTTAGTGTAGACA 2754  
AGCTCTGGCTCTGTACCCAGGCTGGAGTGCAGTGGTGCATCAIGGTTACATGCCAGTCTTGACCTTTTGGGCTCAAGTGATCTCCCACTCAGCCTCCTCGAGTAGCTGGGACCATAG 2873  
GCTCACACACACACCTGGCAAAATTTGATTTTTTTTTTTTTTTTTCAGAGACGGGGTCTGGCAACATTGCCAGACTTCCTTTGTGTTAGTTAATAAGCTTTCTCAACTGCCAAAAA 2992  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA 3' 3023







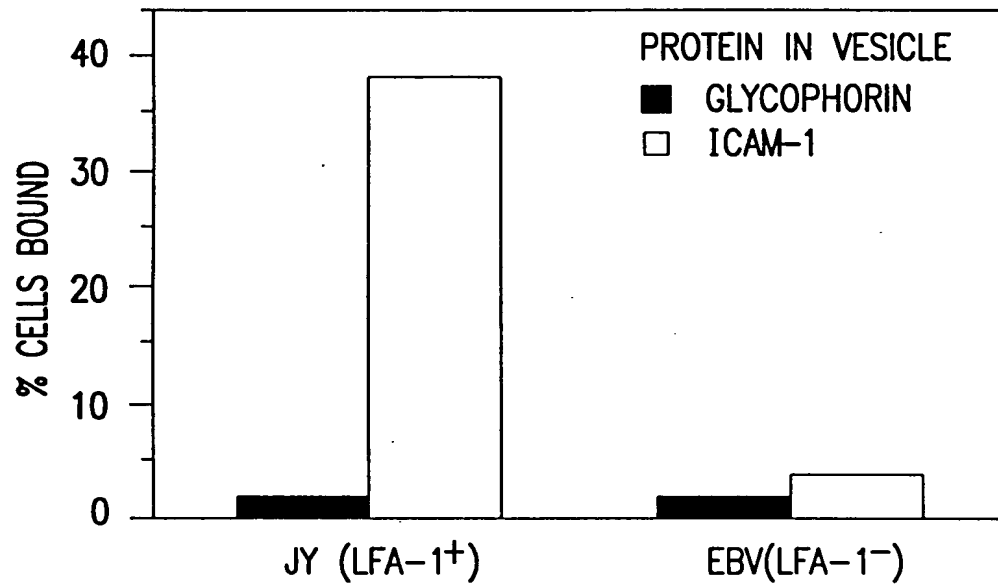
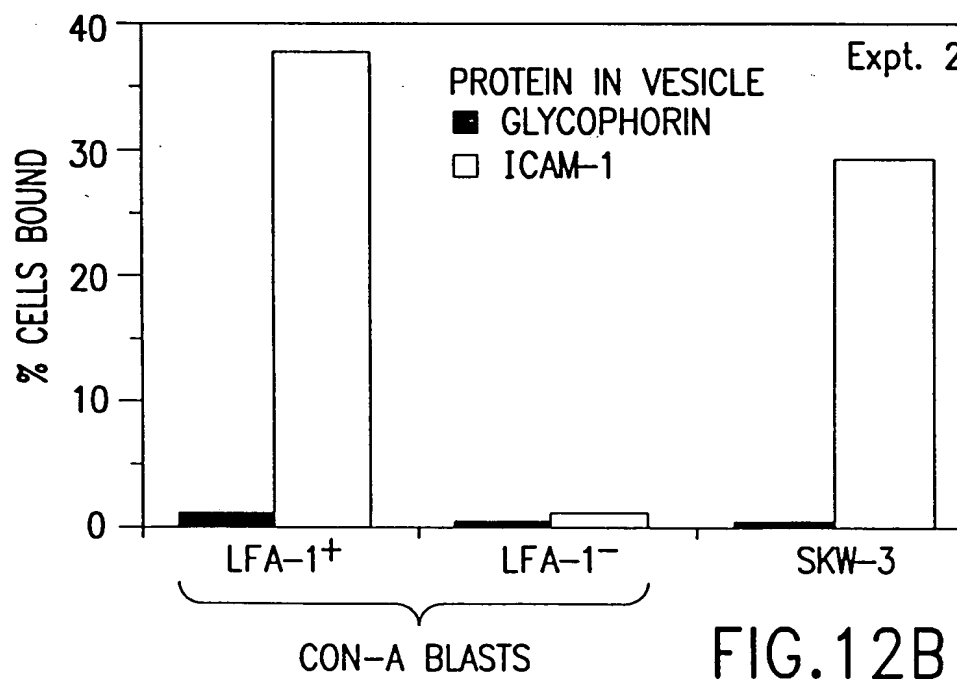
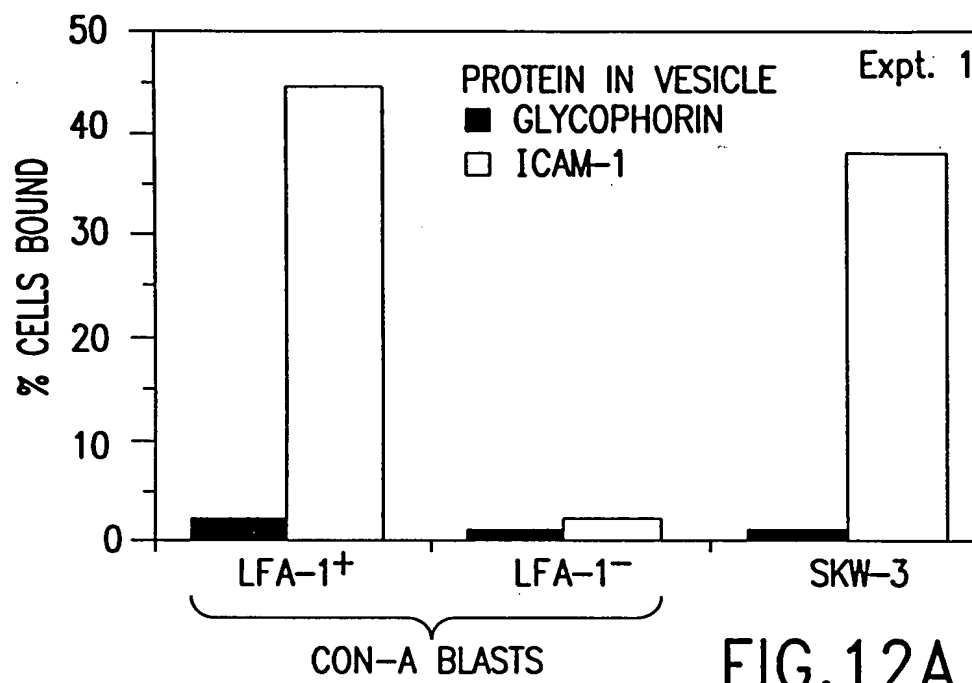


FIG.11



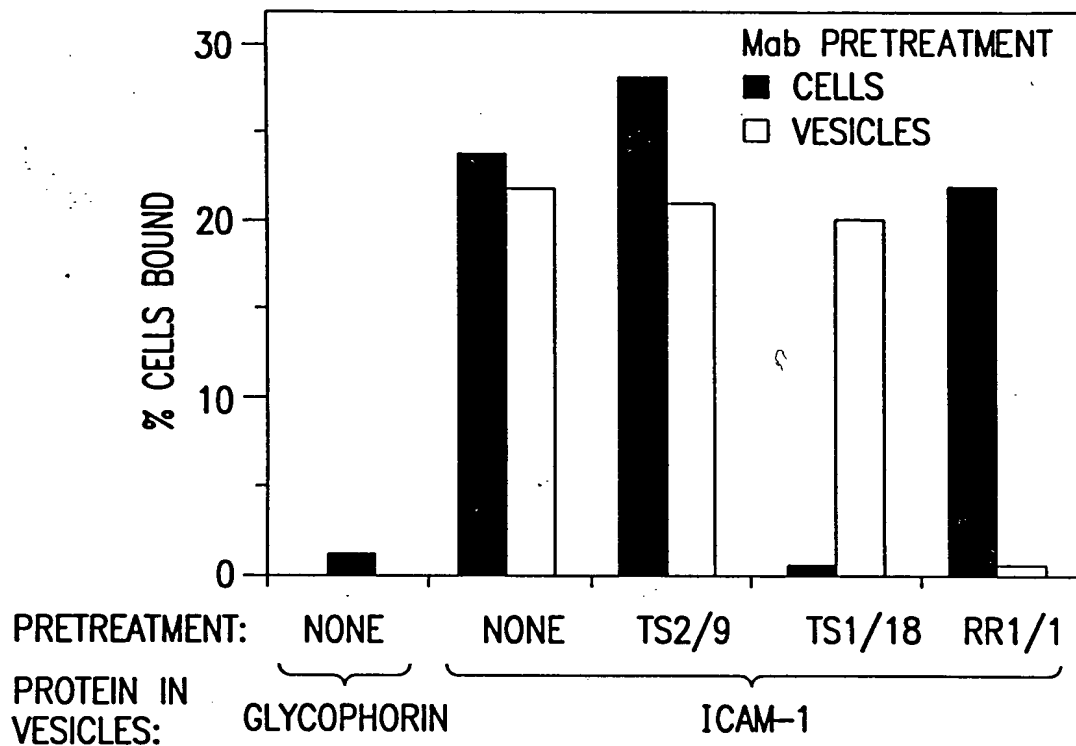


FIG.13

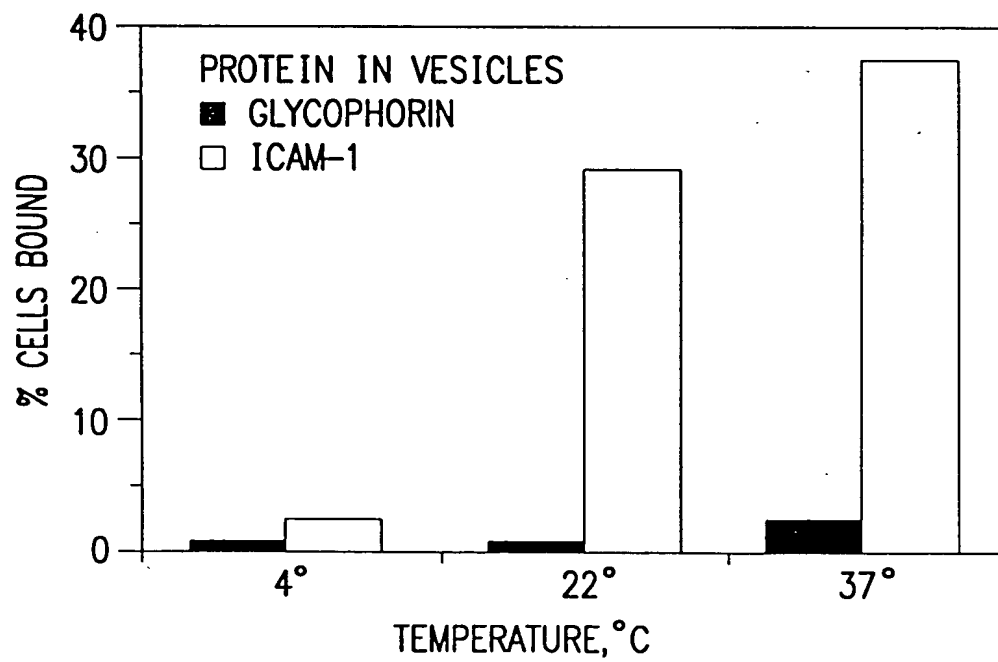


FIG.14

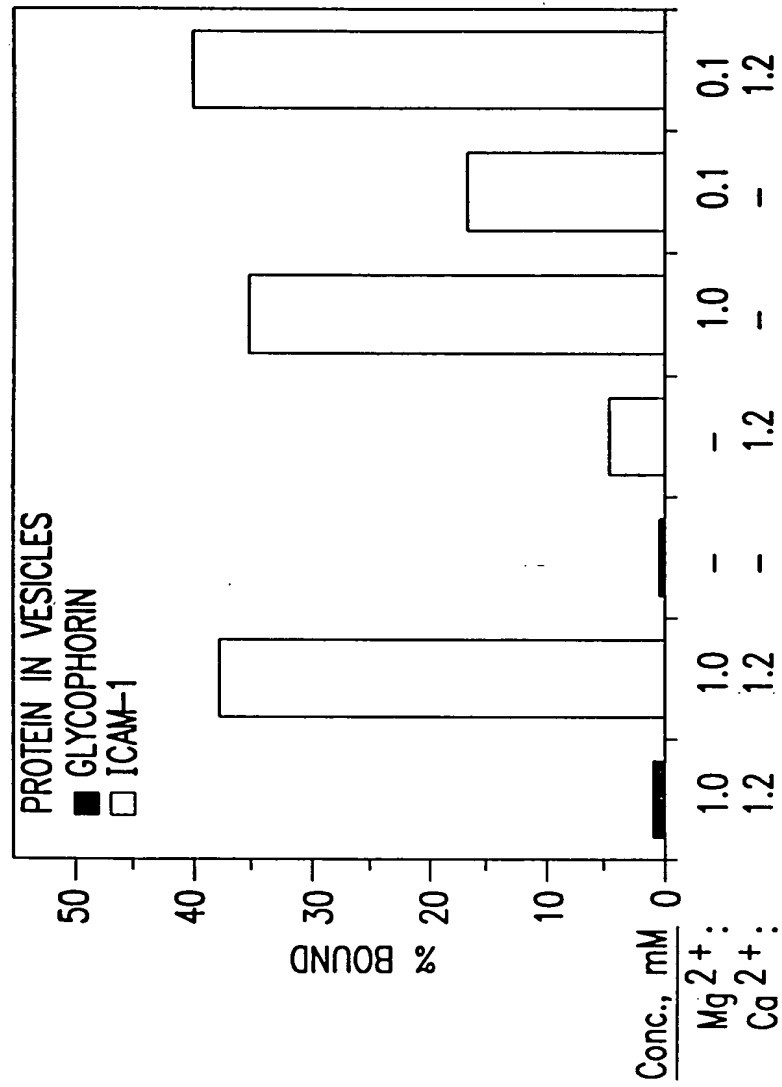


FIG.15

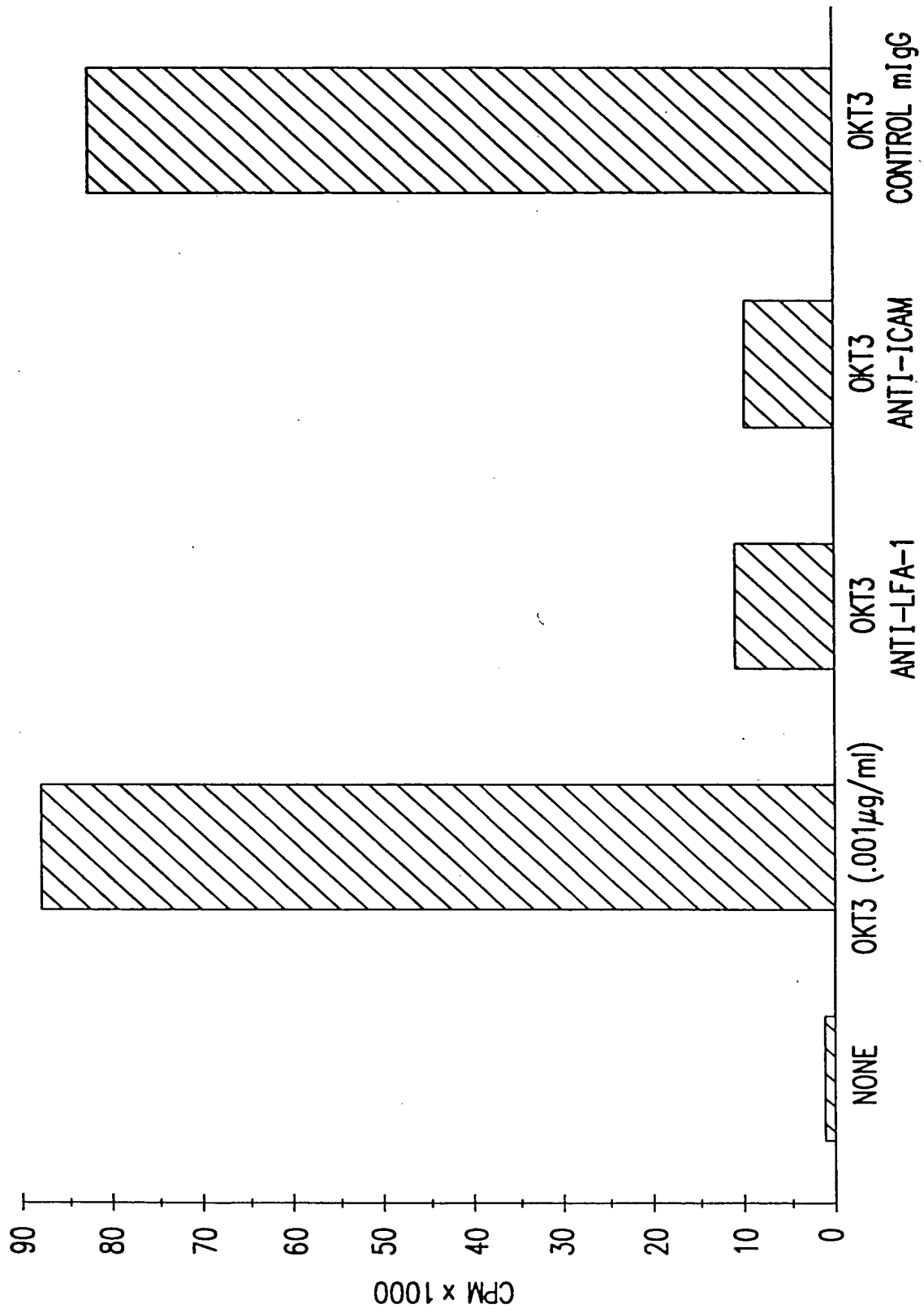


FIG.16

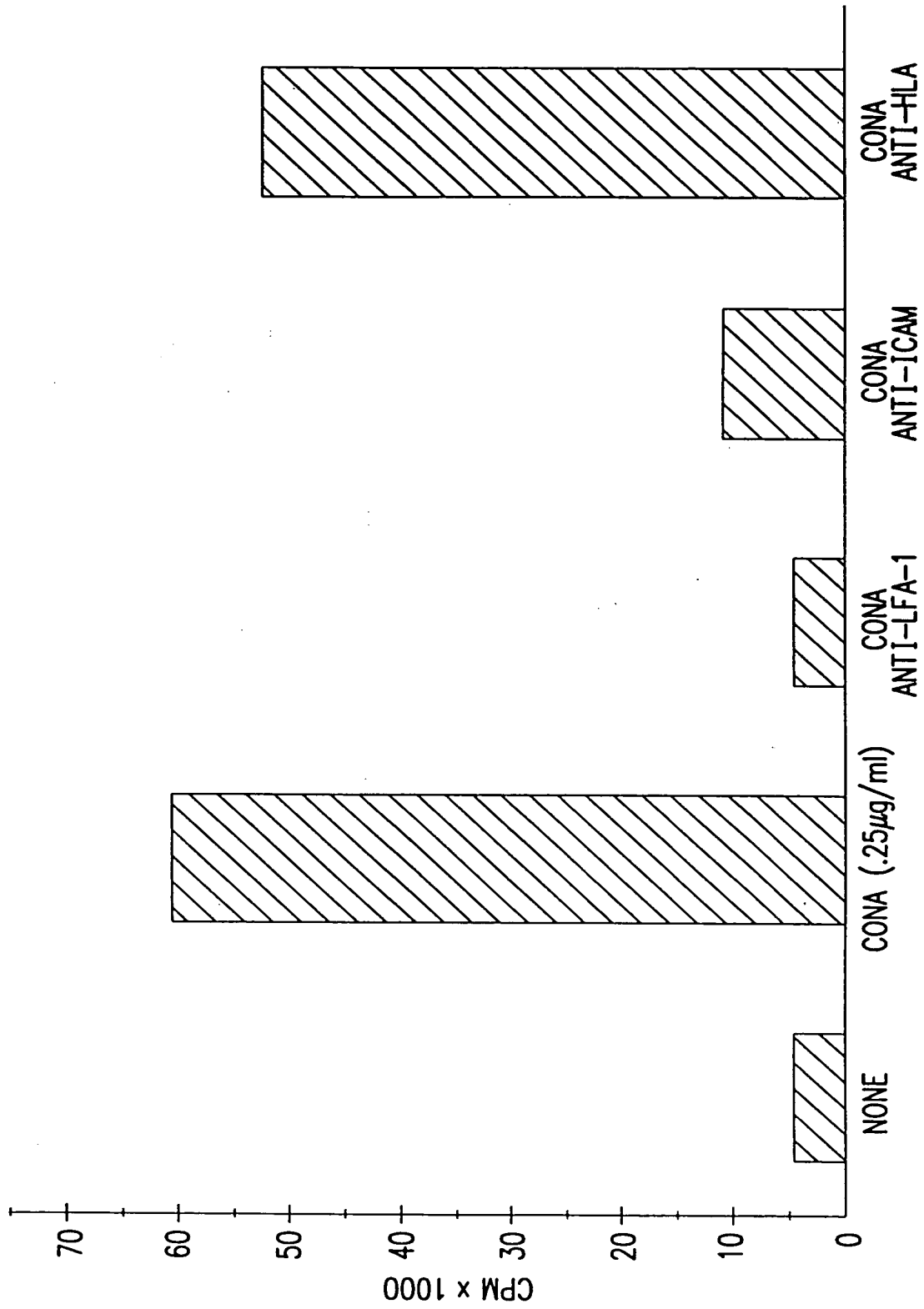


FIG.17



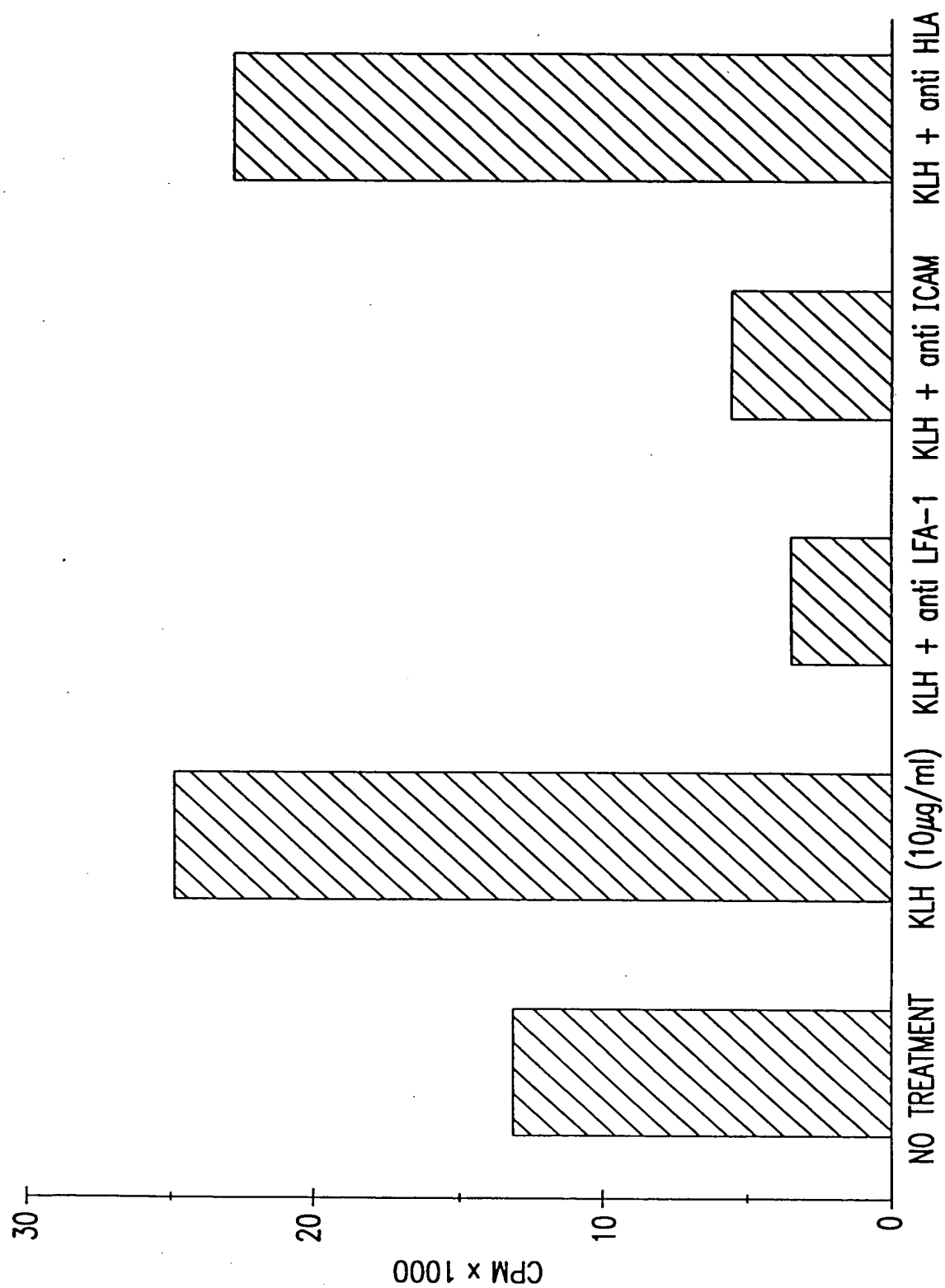


FIG.18

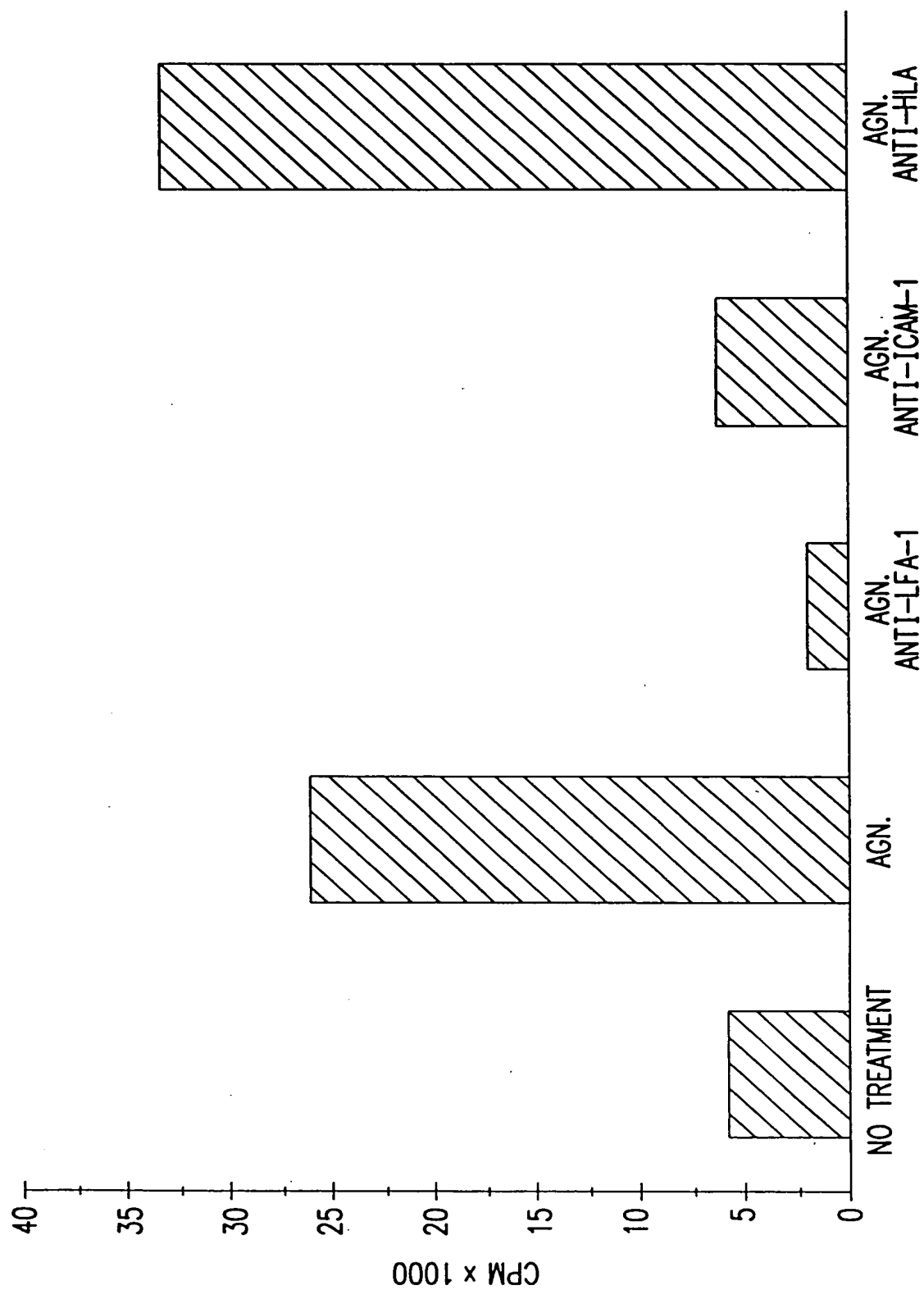


FIG.19

FIG. 20

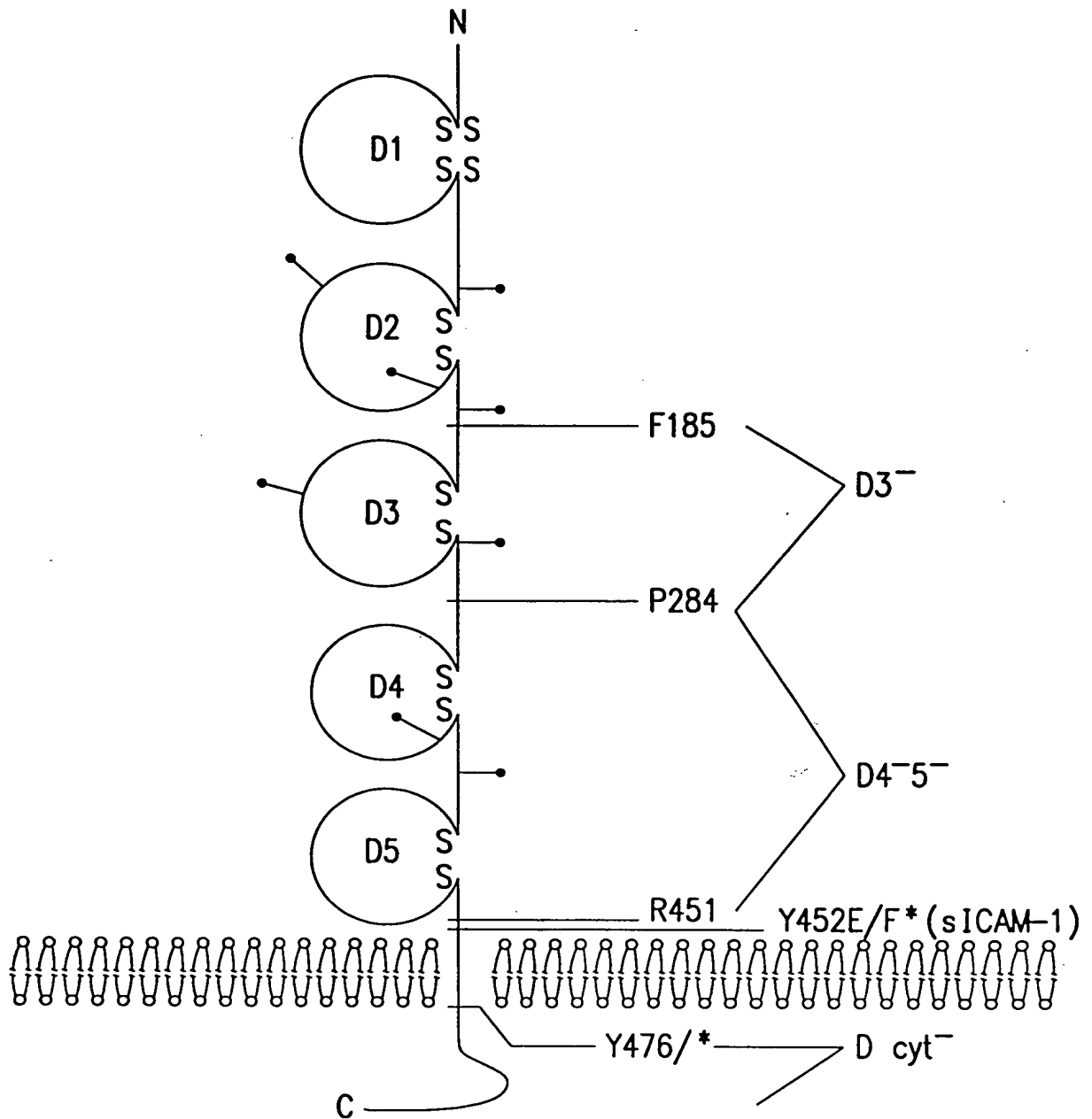


FIG.21

FIG.22A

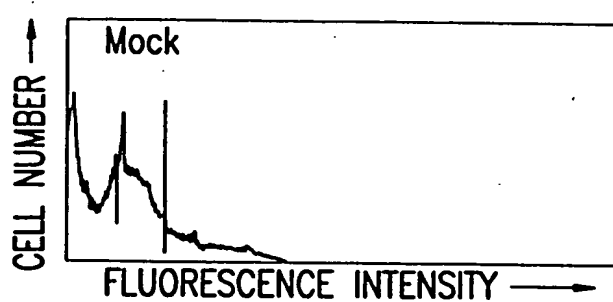


FIG.22B

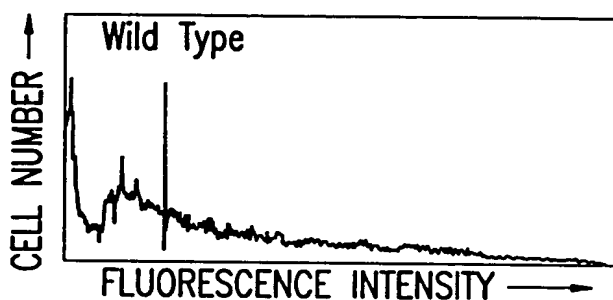


FIG.22C

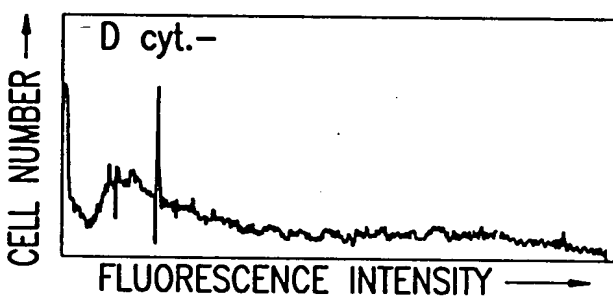


FIG.22D

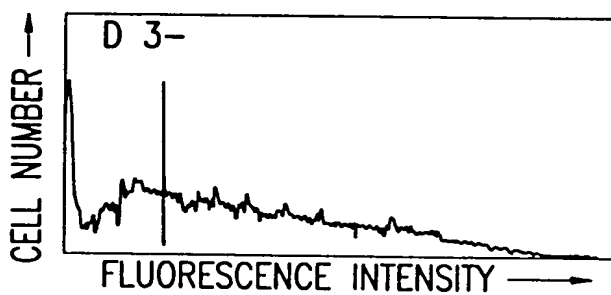
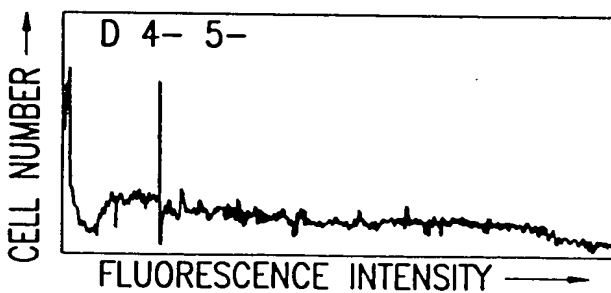


FIG.22E



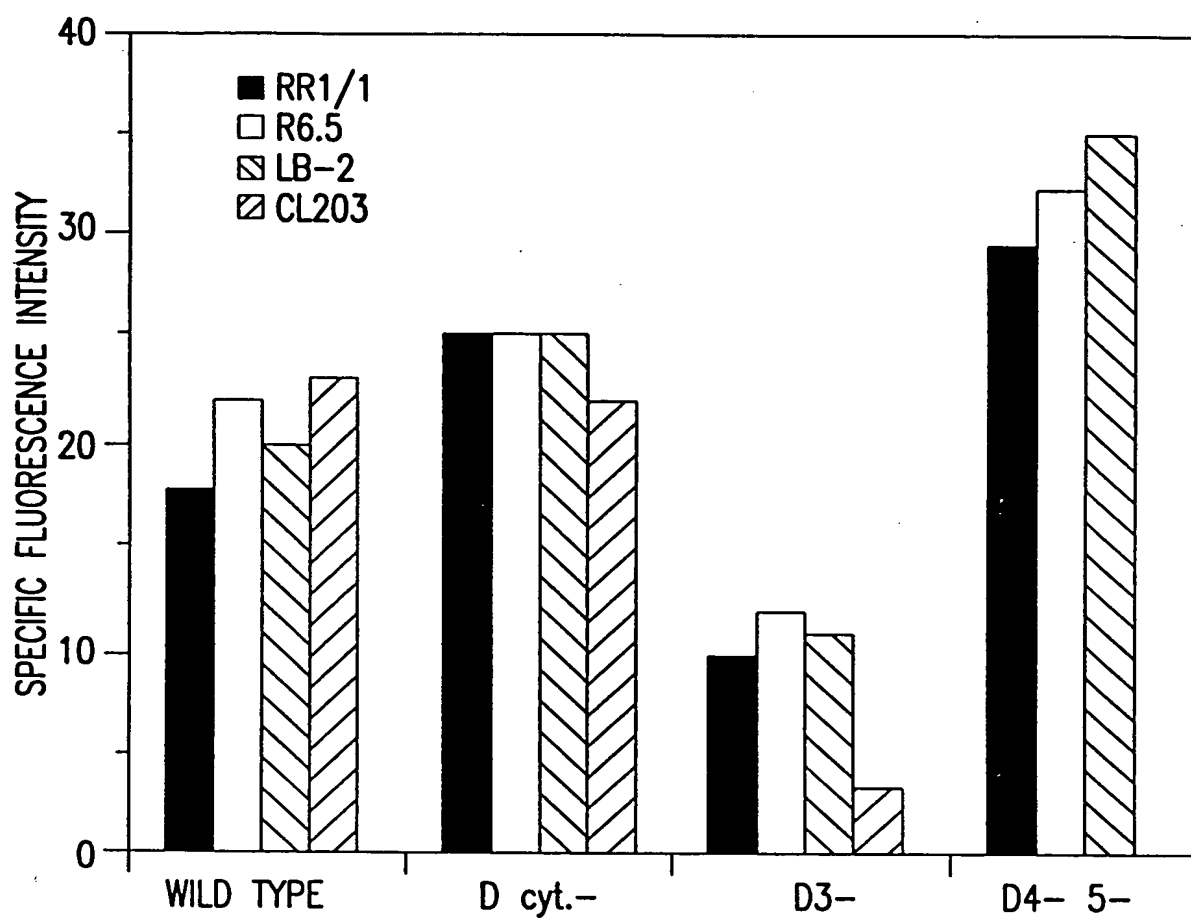


FIG.23

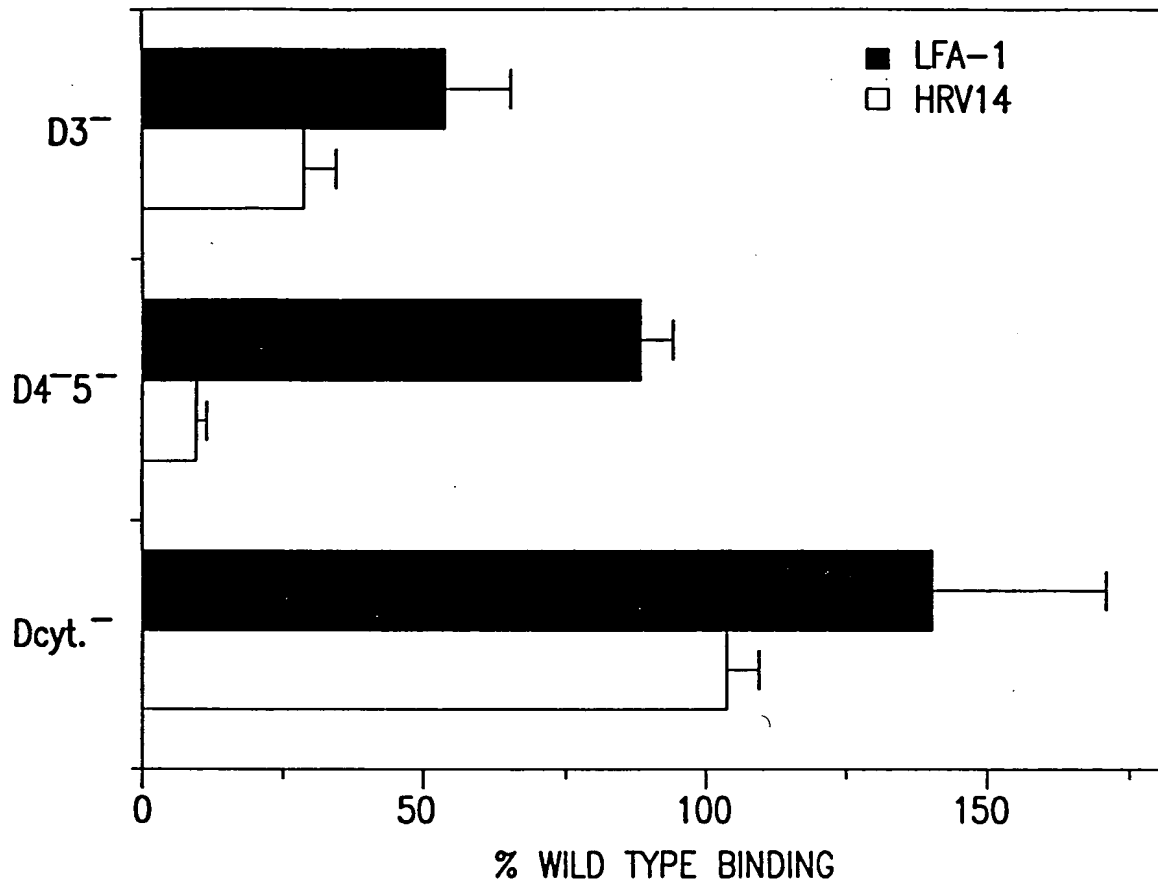


FIG.24

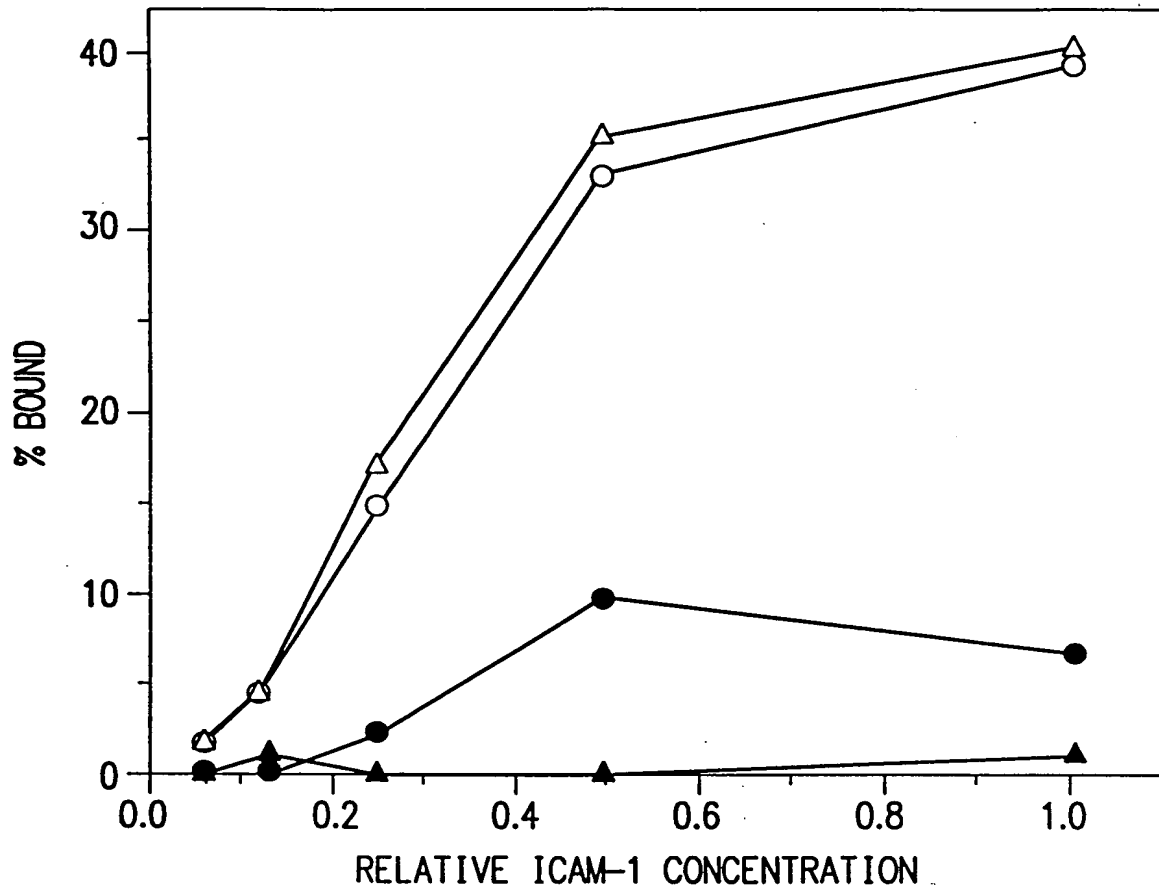


FIG.25



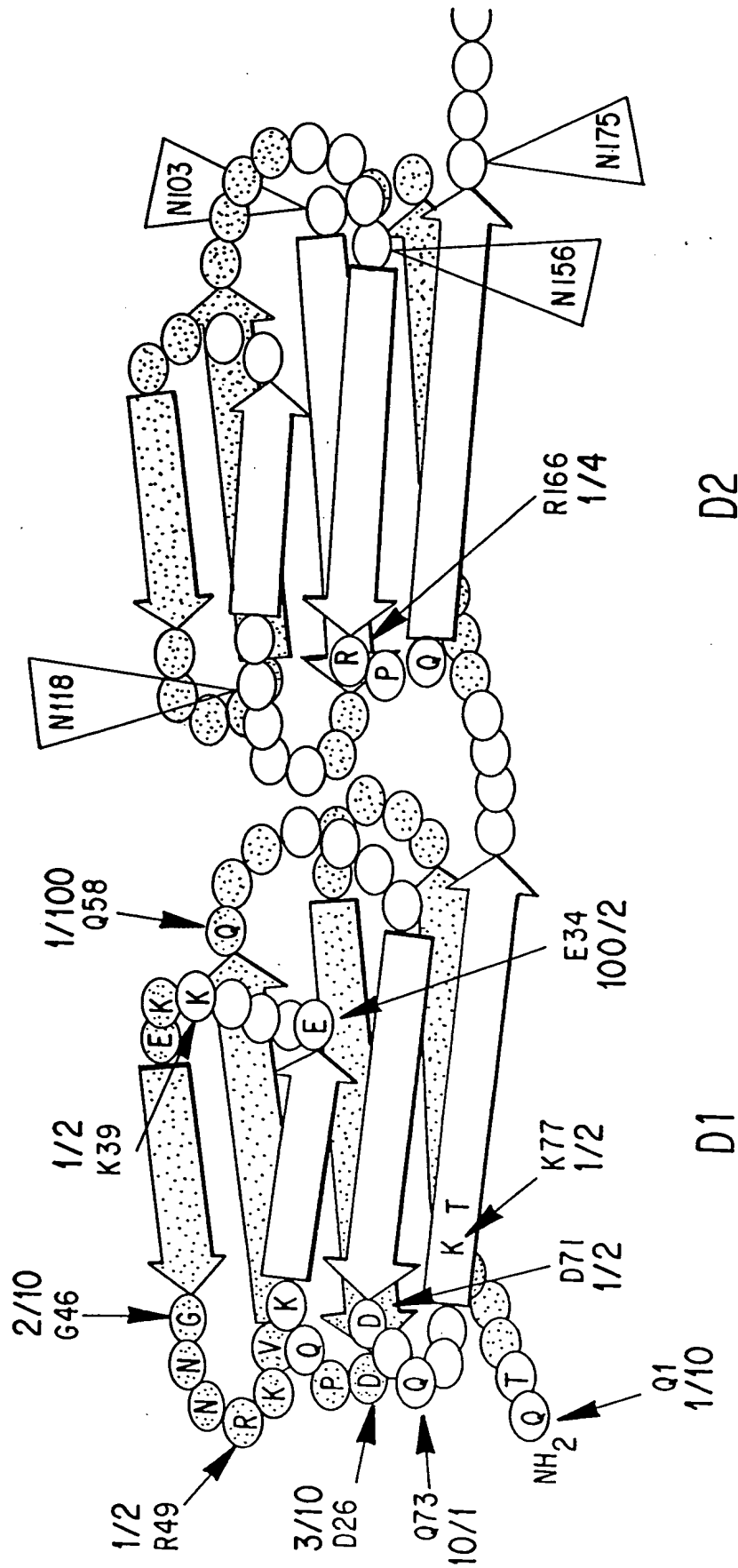


FIG. 26